

FORM 2 - IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51779 MA No. : SDG No.: MYCZN9
 Initial Calibration Verification Source : MP83629
 Continuing Calibration Verification Source : MP83632
 Run Batch: LB134003 Analytical Method: ICP-MS
 Concentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID: ICV002				ID: CCV011				ID: CCV012		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony	200	210	103	2	500	490	97	2	480	97	4
Arsenic	200	210	105	1	500	510	103	1	520	104	1
Barium	100	100	100	1	2500	2500	98	2	2500	98	4
Beryllium	100	100	100	1	500	470	93	2	470	93	4
Cadmium	100	110	106	1	500	510	102	1	510	102	5
Chromium	100	100	101	0	500	500	100	1	500	100	0
Cobalt	100	100	101	0	500	490	98	1	490	98	0
Copper	100	96	96	0	5000	4900	99	0	5000	99	1
Lead	200	190	97	1	2500	2500	100	2	2500	99	4
Nickel	110	100	94	1	500	470	93	0	470	94	0
Selenium	200	210	106	1	500	500	100	2	500	100	5
Silver	50.0	52	104	2	500	500	100	2	500	101	4
Thallium	210	190	92	2	500	500	101	3	500	100	4
Vanadium	100	97	97	0	500	500	100	1	510	102	1
Zinc	200	200	99	1	5000	4900	97	1	4900	98	1

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 Concentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV013				ID: CCV014		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					500	490	98	1	500	100	1
Arsenic					500	510	102	0	510	101	1
Barium					2500	2500	99	1	2500	101	1
Beryllium					500	480	97	1	490	97	2
Cadmium					500	510	103	1	530	105	0
Chromium					500	500	100	1	510	102	1
Cobalt					500	490	98	0	500	99	0
Copper					5000	4900	99	0	4900	99	1
Lead					2500	2500	101	1	2600	103	1
Nickel					500	470	93	0	470	95	0
Selenium					500	500	101	1	490	97	2
Silver					500	510	101	0	500	101	1
Thallium					500	510	101	1	520	104	1
Vanadium					500	510	101	0	510	102	1
Zinc					5000	4900	98	1	4800	97	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV015				ID: CCV016		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					500	500	99	0	490	98	2
Arsenic					500	510	102	0	490	99	0
Barium					2500	2500	101	1	2500	99	2
Beryllium					500	480	97	1	480	95	2
Cadmium					500	520	104	1	500	100	1
Chromium					500	510	102	1	500	100	0
Cobalt					500	500	100	1	500	99	1
Copper					5000	4900	99	1	4900	97	1
Lead					2500	2500	102	0	2500	101	3
Nickel					500	470	94	1	470	94	1
Selenium					500	490	97	1	480	96	3
Silver					500	500	100	1	490	97	1
Thallium					500	520	103	1	510	103	4
Vanadium					500	510	101	1	510	102	0
Zinc					5000	4900	97	0	4800	96	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV017				ID: CCV018		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					500	470	94	9	500	99	2
Arsenic					500	490	99	0	500	99	1
Barium					2500	2400	96	9	2500	101	1
Beryllium					500	460	91	8	510	101	1
Cadmium					500	480	95	8	510	102	1
Chromium					500	500	101	1	510	103	0
Cobalt					500	500	99	1	510	101	1
Copper					5000	4900	97	1	5000	100	0
Lead					2500	2400	97	8	2600	104	1
Nickel					500	470	94	1	480	96	0
Selenium					500	460	92	9	520	104	2
Silver					500	470	94	8	520	104	0
Thallium					500	490	99	7	530	105	1
Vanadium					500	510	101	1	520	104	1
Zinc					5000	4800	96	1	4900	99	0

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 Lab Code: ACE Case No.: 51779 MA No. : SDG No.: MYCZN9
 Initial Calibration Verification Source : MP83629
 Continuing Calibration Verification Source : MP83632
 Run Batch: LB134025 Analytical Method: ICP-MS
 Concentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID: ICV003				ID: CCV021				ID: CCV022		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony	200	220	110	2	500	510	102	2	510	102	0
Arsenic	200	220	109	0	500	530	106	1	500	100	0
Barium	100	110	106	1	2500	2600	103	2	2600	103	1
Beryllium	100	110	105	2	500	490	99	2	490	98	1
Cadmium	100	110	110	1	500	520	104	3	490	99	1
Chromium	100	110	106	0	500	510	102	0	510	102	0
Cobalt	100	110	106	1	500	500	99	1	500	100	1
Copper	100	100	102	0	5000	4900	97	0	4800	96	0
Lead	200	210	103	0	2500	2600	104	1	2600	103	1
Nickel	110	110	98	1	500	480	95	0	480	95	0
Selenium	200	210	107	0	500	510	103	2	490	98	0
Silver	50.0	54	109	2	500	530	105	1	500	100	0
Thallium	210	210	99	1	500	530	106	2	520	105	1
Vanadium	100	100	102	0	500	520	103	1	510	103	1
Zinc	200	200	102	0	5000	4800	96	0	4700	95	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV023				ID: CCV024		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					500	500	99	2	500	100	1
Arsenic					500	500	100	1	500	101	1
Barium					2500	2500	100	3	2500	100	1
Beryllium					500	490	97	3	490	99	2
Cadmium					500	470	95	3	490	99	2
Chromium					500	510	101	1	500	101	1
Cobalt					500	500	100	1	500	100	0
Copper					5000	4800	96	1	4800	96	0
Lead					2500	2600	102	2	2600	103	0
Nickel					500	470	95	1	480	95	1
Selenium					500	480	96	3	480	96	0
Silver					500	490	98	2	500	100	1
Thallium					500	520	104	2	520	105	0
Vanadium					500	510	102	1	510	103	1
Zinc					5000	4800	96	1	4800	96	1

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 Run Batch: LB134025 Analytical Method: ICP-MS
 Concentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV025				ID: CCV026		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					500	500	101	1	490	98	2
Arsenic					500	490	97	1	500	99	1
Barium					2500	2500	101	0	2500	99	1
Beryllium					500	480	96	1	480	95	1
Cadmium					500	480	97	3	480	96	2
Chromium					500	500	100	1	500	100	1
Cobalt					500	490	97	1	480	96	1
Copper					5000	4700	94	1	4700	94	1
Lead					2500	2500	102	0	2500	100	2
Nickel					500	460	92	0	460	92	1
Selenium					500	470	94	1	500	100	2
Silver					500	500	100	0	490	98	1
Thallium					500	520	103	0	510	102	1
Vanadium					500	500	101	0	500	100	1
Zinc					5000	4600	93	1	4700	93	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV027				ID: CCV028		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					500	490	98	1	500	99	1
Arsenic					500	510	103	0	510	101	0
Barium					2500	2500	99	2	2500	101	0
Beryllium					500	480	96	2	480	97	1
Cadmium					500	480	96	2	490	97	1
Chromium					500	500	99	1	500	99	1
Cobalt					500	490	98	1	490	98	0
Copper					5000	4700	95	1	4800	95	1
Lead					2500	2500	101	1	2500	101	1
Nickel					500	470	93	0	470	93	0
Selenium					500	500	100	3	500	100	2
Silver					500	490	98	1	490	98	1
Thallium					500	510	102	1	510	102	1
Vanadium					500	500	100	1	500	100	1
Zinc					5000	4700	94	1	4700	94	1